INTERNATIONAL SEARCH REPORT

EP2004/052913

	•		P→/EP2004	1/052913							
A CLASSII	FICATION OF SUBJECT MATTER G02B6/12 C03C3/04										
According to	International Patent Classification (IPC) or to both national classifica	ilon and IPC									
B. FIELDS			·								
Minimum do IPC 7	cumentation searched (classification system followed by classification GO2B ·CO3C										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched											
Electronic da	ata base consulted during the international search (name of data bas	e and, where practical	, search terms used)								
EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX											
C. DOCUMENTS CONSIDERED TO BE RELEVANT											
Category *	Citation of document, with Indication, where appropriate, of the rele	vani passages		Relevant to claim No.							
Х	WO 99/44937 A (BLOECHL PETER ; GE ROLAND (CH); MASSAREK ILANA (CH); HUU) 10 September 1999 (1999-09-1	SALEMINK		1-17, 20-28,47							
Υ	cited in the application abstract			29,30, 32-35, 37-46, 48-50,							
A	page 8, line 15 - line 25 page 14, line 23 - page 15, line page 15, line 24 - page 16, line page 17, line 26 - line 28	52-56 18,19,31									
		/									
X Funt	her documents are listed in the continuation of box C.	χ Patent tamily r	members are listed Ir	annex.							
Special ca	tegories of clied documents : ent defining the general state of the art which is not	T later document pub or priority date an	ollshed after the inter d not in conflict with t ad the principle or the	the application but							
consid	lered to be of particular relevance document but published on or after the international	invention 1x* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to									
which citation	ant which may throw doubts on priorily claim(s) or is clied to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibilion or	involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-									
other of	means ent oublished prior to the international filling date but	ments, such combination being obvious to a person skilled in the art. "&" document member of the same patent family									
Date of the	actual completion of the International search	Date of mailing of t	the international sear	ch report							
	9 January 2005	28/02/2	:005								
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer									
	NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. S1 651 epo ni, Fax (+31-70) 340-3016	Cohen,	Α								

INTERNATIONAL SEARCH REPORT

International Application No PD/EP2004/052913

	P=/EP2004/052913							
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.								
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.							
US 2002/154878 A1 (SIMPSON LYNN B ET AL) 24 October 2002 (2002-10-24)	29,30, 32,33, 37,38, 42-46, 48-50, 52-56							
abstract paragraphs '0010!, '0011!, '0040!, '0043! - '0047!, '0055!, '0056!, '0059! - '0061! table 2	36,47,51							
PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) -& JP 09 080247 A (HITACHI CABLE LTD), 28 March 1997 (1997-03-28) abstract paragraphs '0010! - '0013!, '0016! - '0021!, '0027!; figure 1	34,35, 39-41							
US 6 408 125 B1 (BELLMAN ROBERT ALAN ET AL) 18 June 2002 (2002-06-18) abstract column 2, line 23 - column 3, line 3 column 3, line 37 - column 4, line 7 column 5, line 48 - column 6, line 5	1,37,53							
PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) -& JP 11 109158 A (HITACHI CABLE LTD), 23 April 1999 (1999-04-23) abstract paragraph '0020!	1,37,53							
CHELNOKOV A V ET AL: "Deep high-dose erbium implantation of low-loss silicon oxynitride waveguides" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 30, no. 22, 27 October 1994 (1994-10-27), pages 1850-1852, XP006001284 ISSN: 0013-5194 the whole document	. 27,28							
GERMANN R ET AL: "SILICON OXYNITRIDE LAYERS FOR OPTICAL WAVEGUIDE APPLICATIONS" JOURNAL OF THE ELECTROCHEMICAL SOCIETY, ELECTROCHEMICAL SOCIETY. MANCHESTER, NEW HAMPSHIRE, US, vol. 147, no. 6, June 2000 (2000-06), pages 2237-2241, XP009016715 ISSN: 0013-4651 cited in the application the whole document	47,51							
	Chailon of document, with bruckcation, where appropriate, of the relevant passages US 2002/154878 A1 (SIMPSON LYNN B ET AL) 24 October 2002 (2002-10-24) abstract paragraphs '0010!, '0011!, '0040!, '0043! - '0047!, '0055!, '0056!, '0059! - '0061! table 2 PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) -& JP 09 080247 A (HITACHI CABLE LTD), 28 March 1997 (1997-03-28) abstract paragraphs '0010! - '0013!, '0016! - '0021!, '0027!; figure 1 US 6 408 125 B1 (BELLMAN ROBERT ALAN ET AL) 18 June 2002 (2002-06-18) abstract column 2, line 23 - column 3, line 3 column 3, line 37 - column 4, line 7 column 5, line 48 - column 6, line 5 PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) -& JP 11 109158 A (HITACHI CABLE LTD), 23 April 1999 (1999-04-23) abstract paragraph '0020! CHELNOKOV A V ET AL: "Deep high-dose erbium implantation of low-loss silicon oxynitride waveguides" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 30, no. 22, 27 October 1994 (1994-10-27), pages 1850-1852, XP006001284 ISSN: 0013-5194 the whole document GERMANN R ET AL: "SILICON OXYNITRIDE LAYERS FOR OPTICAL WAVEGUIDE APPLICATIONS" JOURNAL OF THE ELECTROCHEMICAL SOCIETY, ELECTROCHEMICAL SOCIETY, MANCHESTER, NEW HAMPSHIRE, US, vol. 147, no. 6, June 2000 (2000-06), pages 2237-22241, XP009016715 ISSN: 0013-4651 cited in the application							

INTERNATIONAL SEARCH REPORT

International Application No PA/EP2004/052913

	nt document n search report		Publication date		Patent family member(s)		Publication date
MÓ 3	944937	A	10-09-1999	EP WO	0983208 9944937		08-03-2000 10-09-1999
US 2	002154878	A1	24-10-2002	GB WO	2388110 02064523		05-11-2003 22-08-2002
JP O	9080247	A	28-03-1997	JP	3451809	B2	29-09-2003
US 6	408125	B1	18-06-2002	AU CA EP JP WO US	1432201 2391202 1232125 2003513875 0134530 2002106174	A1 A1 T A1	06-06-2001 17-05-2001 21-08-2002 15-04-2003 17-05-2001 08-08-2002
JP 1	1109158	Α	23-04-1999	NONE			